Table S2. Characteristic of studies included for vaccine safety

First author	Published time	Study design	Study location	Study population	Vaccine type	No. people vaccinated	No. people with adverse reactions	No. people with severe adverse reactions	No. people with vaccine- related death	risk of bias
China CDC	2021.5	cross-sectional	China	general population	Any	265000000	31434	5544		moderate
David K. Shay	2021.5	cross-sectional	USA	general population	Ad26.COV2.S	7980000	13725	343	88	moderate
Laith J. Abu-Raddad	2021.6	cross-sectional	Saudi Arabia	general population	BNT162b2	130	52			moderate
					AZD1222	385	255			
S Andrzejczak-Grządko	2021.7	cross-sectional	Poland	general population	BNT162b2	196	184			moderate
						177	175			
					AZD1222	509	491			
Aurelie Baldolli	2021.7	cross-sectional	France	general population	BNT162b2	1987	1136	183		moderate
				patients with a medical history of COVID-19 disease	BNT162b2	61	45	9		
Somy Cherian	2021.6	cross-sectional	India	patients with rheumatic diseases	Any	724	436			moderate
Patrice Chevallier	2021.6	cohort study	France	allogeneic hematopoietic stem- cells recipients	BNT162b2	94	45			moderate
Caoilfhionn M Connolly	2021.3	cohort study	USA	patients with rheumatic diseases	Any	325		1		moderate
Victoria Furer	2021.6	cohort study	Israel	adult patients with autoimmune inflammatory rheumatic diseases	BNT162b2	670		2	2	moderate
Julianne Gee	2021.2	cross-sectional			Any	13794904	6994	753	113	moderate
Takanao Hashimoto	2021.6	cross-sectional	Japan	Health Care Workers	BNT162b2	181184		37		moderate
Gang Lv	2021.5	cross-sectional	USA	general population	Any	6688231		55	55	moderate
				long-term care	Any	693246		37	37	
Pagotto, V.	2021.6	cross-sectional study	Argentina	facilities healthcare workers	Sputnik V COVID-19	683	487	12		low
C. Signorelli	2021.6	cross-sectional study	Italy	general population	vaccine BNT162b2	37900	142			moderate

Riad, A.	2021.6	cross-sectional study	Turkey	healthcare workers	CoronaVac	780	487		 low
Quiroga, B.	2021.7	cross-sectional stud	Spanish	nephrologists	BNT162b2	565	422		 low
Vallée, A.	2021.7	cross-sectional study	France	healthcare workers	mRNA-1273 AZD1222	42 451	21 274		 moderate
McMurry, R.	2021.7	cohort study	USA		BNT162b2	51795		11	 low
					mRNA-1273	39058 1273		1 2	
Wang, J.	2021.4	cohort study	China	patients with non- alcoholic fatty liver disease	Beijing Institute of Biological Products Co.,	11851 381	112	1	 moderate
Monin, L.	2021.5	cohort study	London	patients with cancer	Ltd. BNT162b2	140	64		 low
Ram, R.	2021.7	cohort study	Israeli	patients who underwent either allogeneic HCT or CD19-based chimeric antigen receptor T cell		31 80	9 11		 moderate
				(CART) therapy	BNT162b2	76	18		
Zhang, M. X.	2021.5	Cross-Sectional Study	China	healthcare workers	CoronaVac	1526	238	16	 moderate
Rosman, Y.	2021.7	Cross-Sectional Study	USA	patients with mast cell disorders	BNT162b2	1397 26	204 2		 moderate
Riad, A.	2021.6	Cross-Sectional Study	Germany and Czech Republic	Healthcare Workers	AZD1222	92	87		 moderate
Revon-Riviere, G.	2021.7	cross-sectional study	La Timone, AP-	adolescents and young adults with cancer	BNT162b2	13	8		 low
Peled, Y.	2021.5	cohort study		heart transplant recipients	BNT162b2	11 77	7 46		 low
						77	40		